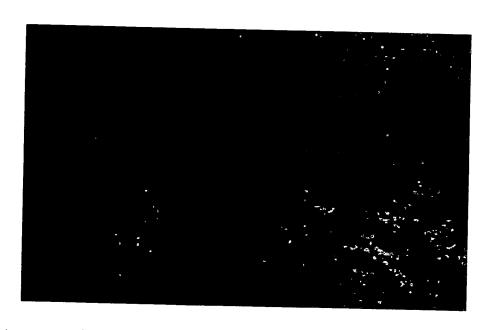
Figure 1



Before treatment (day 0)



After treatment (day 2)

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AVAILABLE COP

Figure 2A

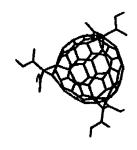
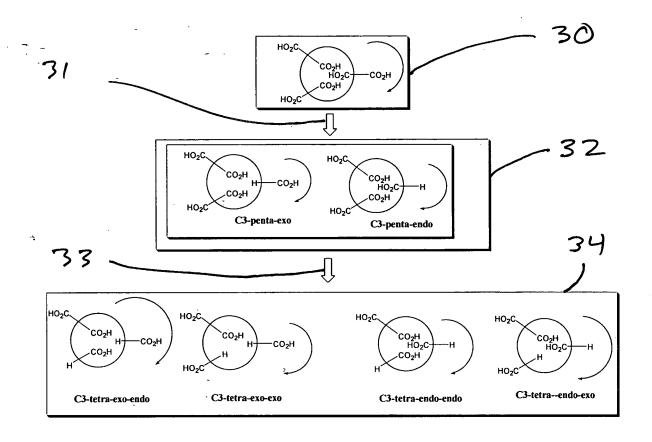
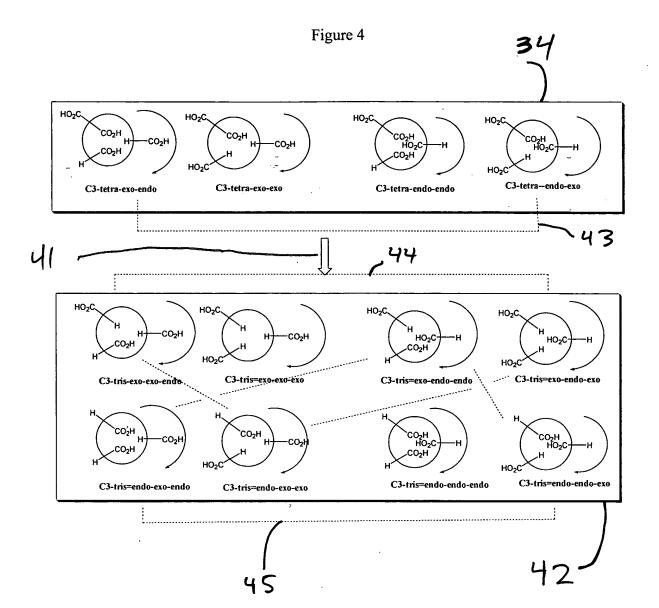


Figure 2B

$$\begin{array}{c|c} HO_2C \\ \hline \\ CO_2H \\ HO_2C \\ \hline \\ CO_2H \\ \end{array}$$

Figure 3





-11.9

Figure 5

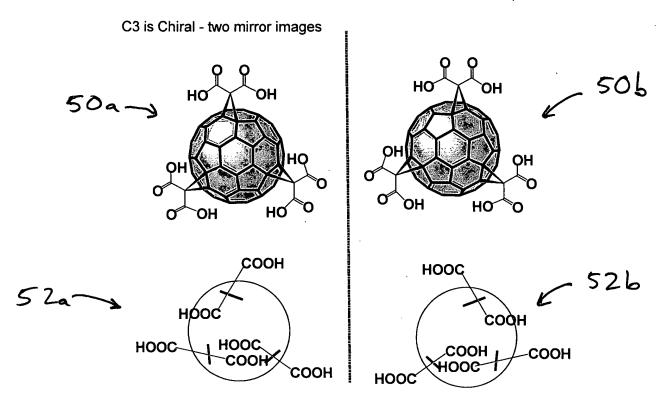
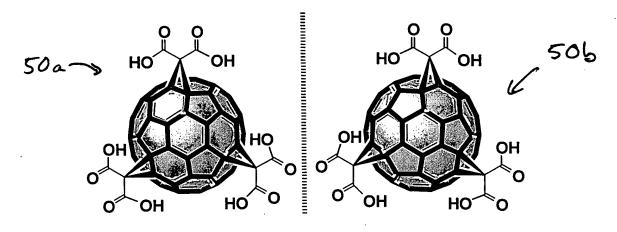
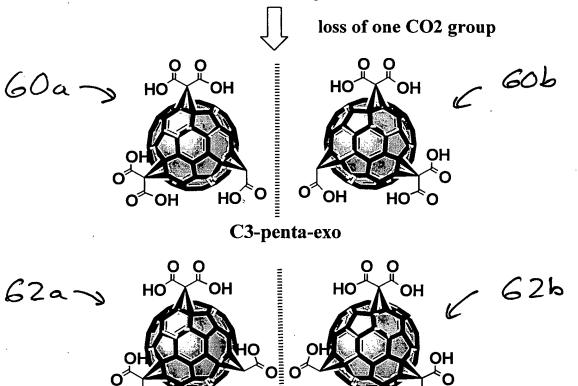


Figure 6



## C3 mirror images



C3-penta-endo-

Figure 7

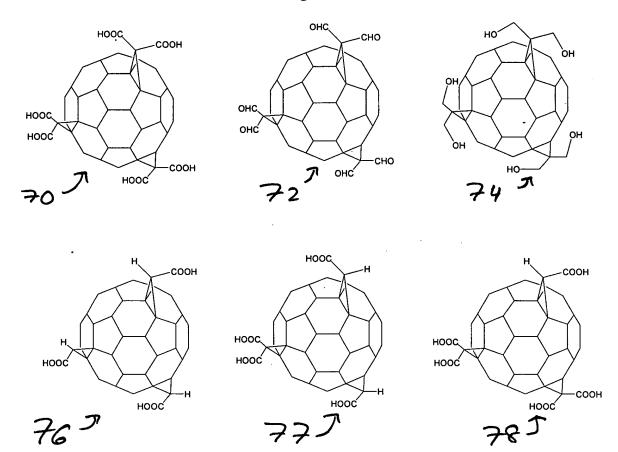


Figure 8A

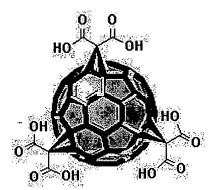


Figure 8B

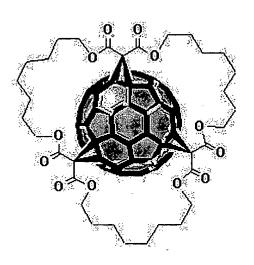


Figure 9A

Figure 9C

Figure 9B

Figure 9D

Figure 9E

Figure 9F

Figure 9G

Figure 10

Figure 11A

Compound	Ref. No.	IC <sub>50</sub> (μΜ)
Trolox (Comparative)	110	440
HOOC COOH COOH C3 (Comparative)	111	174
ROOC COOR  ROOC COOR  ROOC COOR  R = -CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> COOH  Long-chain C3	1201	42

:

Figure 11B

HOOC COOH C3 penta acid	1202	62
HOOC H COOH COOH COOH	1203	48
HOOC HOOC HOOCH HOOCH COOH COOH COOH	1204	44

Figure 11C

HOOC COOH  D3: R = H  (Comparative)	112	965
ROOC COOR  ROOC COOR  long-chain D3: R = CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> COOH	1205	264
O O O HO OH O	1206	90

Figure 11D

HO OH HO OH trans-3	1207	55
о о о о о о о о о о о о о о о о о о о	1208	32
O O O O O O O O O O O O O O O O O O O	1209	23

Figure 11E

0 0 RO OR RO OR O OR C70 bis: R = H	1210	22
RO O O RO O O O O O O O O O O O O O O O	1211	11
(Comparative)	113	102

Figure 11F

HO HO OH O	1212	12
C70 DF1 Mini	1213	6
inner salt	1214	92

Figure 11G

СООН	1215	17
Ho@C3	1216	38
C <sub>60</sub> (OH) <sub>12</sub> (Comparative)	114	189

Figure 11H

